

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

<b>CONTRACTOR</b>	<b>CONTRACT NO./TASK NO.</b>	<b>JOB ORDER NUMBER</b>	<b>APPROP. FY</b>
<b>QSS Group, Inc.</b>	<b>NAS5- 99124      TASK NO. 22      AMENDMENT</b>	<b>563-616-11-15-89</b>	<b>98</b>

**TASK TITLE:** (NTE 80 characters; include Project name)

**Destructive Physical Analysis of 12 Ah NiCd for GOES Spacecraft**

**APPROVALS:** (Type or print name and sign)

**ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)**

<b>Gopal Rao</b> <i>for Thomas Yi</i>	<b>DATE</b> 4/16/99	<b>ORG CODE</b> 563	<b>MAIL CODE</b> 563	<b>PHONE</b> 301-286-6654
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<b>Marlon Enciso</b> <i>Marlon R. Enciso</i>	<b>DATE</b> 4/16/99	<b>CODE</b> 563	<b>PHONE</b> 301-286-5845
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**CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)**

<b>Fred Huegel</b> <i>Deborah A. Clark</i>	<b>DATE</b> 4/16/99	<b>CODE</b> 568	<b>PHONE</b> 301-286-2285
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**FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?**

(If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)

**CONTRACTING OFFICER'S QUALITY REP.**

<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	<b>Larry Moore</b>	<b>DESIGNATED FAM:</b>
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The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

**C.O. Requested Quote on:**

**Date:** APR 19 1999

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO      ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☐ NO      ☐ YES      ☒ N/A

Government Furnished Property/Facilities: ☐ NO      ☒ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☒ NO      ☐ YES      If yes: ☐ TOTAL      ☐ PARTIAL  
If partial, indicate onsite work in SOW by asterisk (\*)

Surveillance Plan Attached: ☒ NO      ☐ YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

**INCENTIVE FEE STRUCTURE (check one)**

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	No. 1	No. 2	<input checked="" type="checkbox"/> No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ \_\_\_\_\_.

The target fee of this task order is \$ \_\_\_\_\_.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ \_\_\_\_\_.

The maximum fee is \$ \_\_\_\_\_.

The minimum fee is \$0.

**AUTHORIZED SIGNATURE:**

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

<b>SIGNATURE OF CONTRACTING OFFICER</b>	<b>DATE</b>	<b>TYPED NAME OF CONTRACTING OFFICER</b>
<b>CONTRACTOR'S ACCEPTANCE:</b>		
<b>AUTHORIZED SIGNATURE</b>	<b>DATE</b>	

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QSS Group, Inc.	NAS5- 99124	22	

Applicable paragraphs from contract Statement of Work: Function 2.D.7

**STATEMENT OF WORK:** (Continue on blank paper if additional space is required)*The contractor shall provide an uninterrupted transition of the existing testing from the current contractor.*

The contractor shall provide services to perform Destructive Physical Analysis (DPA) of One (1) NiCd cell for the GOES Program. The DPA shall consist of pre-electrical characterization, followed by opening and inspection of cell components, and analyses (electrical, chemical, and metallographical) of the cell components.

The contractor shall provide the following services:

Perform pre-electrical characterization test

- Provide cell capacities at 20, 10 and 0 degrees C.
- Perform Charge retention test at 20 degrees C.

Prior opening the cell, present electrical performance data from the pre-electrical characterization test to ATR and/or his representative.

Open cells

- Notify ATR of the cell open date and time
- Take Photographs of cell components as the cell is opened
- Inspect each component within the plate stack, inner case of cell, and cell terminals
- Perform analyses of cell components
- electrical, chemical, and metallographical analyses

The contractor shall present the results from the pre-electrical characterization test to the ATR within 72 hours of the completion. The contractor shall notify the ATR of cell opening date and time 72 hours prior to the event.

The contractor shall submit a written status report to the ATR every 2 weeks.

Upon completion of the DPA, the contractor shall submit a final report to the ATR within 21 days.

**PERFORMANCE SPECIFICATIONS:**

All plans and testing under this task are to be produced and performed using aerospace cell testing practice. Final Report shall include the contractor's technical recommendation on whether the cell is considered to be flightworthy for the GOES Program.

**APPLICABLE DOCUMENTS:**

None.

**TASK END DATE:** 5/15/99**MILESTONES/DELIVERABLES AND DATES:**

Pre-electrical characterization test results	Within 72 hours of the completion
Cell opening date and time	Within 72 hours prior to the event
Complete DPA	Within 3 months of receipt of cell by the contractor
Bi-weekly status report	Every 2 weeks
Interim Report	Within 10 days after completion of DPA
Final Report	Within 21 days after completion of DPA

**PERFORMANCE STANDARDS:**

Schedule: On-time delivery of the above  
Technical: ATR's acceptance of the above

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Gopal Rao, building 20, room 166